MINI PROJECT

REPORT ON

"Online Toy Shop"

Submitted By

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Under the Guidance of

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Submitted To

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MASTER IN COMPUTER APPLICATION

Semester : 1

At
ASM's
Institute of Business Management and Research, Chinchwad, Pune – 19
(Affiliated to SPPU & Approved by AICTE)

Session: 2021-23

INDEX: -

1. Introduction of Project: -

1.1Introduction:

- This project is a web-based Toy shop for an existing shop. The project objective is to deliver the online shopping application into android platform.
- This project is an attempt to provide the advantages of online Toy shopping to customers of a real shop.
- It helps buying the products in the shop anywhere through internet by using an android device. Thus the customer will get the service of online Toy's shopping and home delivery.
- This system include branded Toys as well as local Toys having retail outlet chains,.
- Since the application is available in the Smartphone it is easily accessible and always available.

2.About Project: -

2.1. Existing System:

- Existing system also acts as Online Toy Shop but lacking with various features which are highly demanding in today's market such as dynamic home page.
- making payments by selecting their particular banks, search facility within store web pages for particular products and many more.
- In this system enlargement of images and product categorization was not available.
- Admin panel has not been provided with content management system for producing stylish look and handling system and arranging items as per their choice.
- Any changes in system output requires changes in coding section which is not always feasible.

2.2. Limitation Of Existing System:

1. It is less user-friendly.
2. User must go to shop and select products.
3. It is difficult to identify the required product

. 4. Description of the product limited.

5. It is a time consuming process

6. Not in reach of distant users

2.3 Proposed System:

In the proposed system customer need not go to the shop for buying the products. He can order the product he wish to buy through the application in his Smartphone. The shop owner will be admin of the system. Shop owner can appoint moderators who will help owner in managing the customers and product orders. The system also recommends a home delivery system for the purchased products.

2.4 Objective of Product: -

- The objective of the project is to make an application in android platform to purchase Toys in an existing shop.
- In order to build such an application complete web support, need to be provided.
- A complete and efficient web application which can provide the online shopping experience is the basic objective of the project.

- The web application can be implemented in the form of an android application with web view.

2. 5 Future Scope of the Project: -

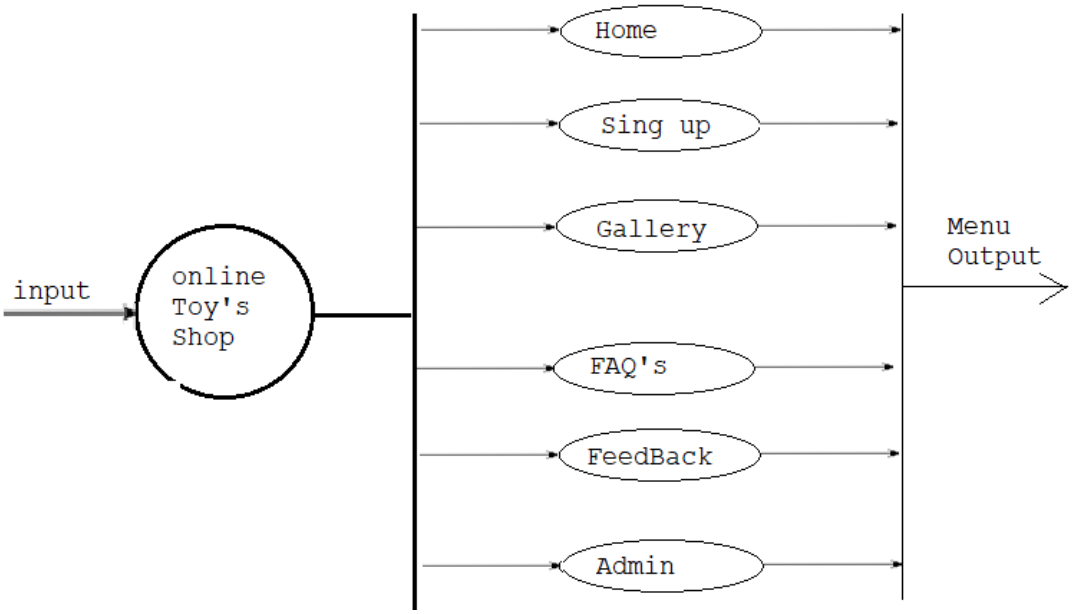
- This system can be implemented to any shop in the locality or to multinational branded shops having retail outlet chains.
- The system recommends a facility to accept the orders 24*7 and a home delivery system which can make customers happy.
- If shops are providing an online portal where their customers can enjoy easy shopping from anywhere, the shops won't be losing any more customers to the trending online shops such as flip cart or ebay.
- Since the application is available in the Smartphone it is easily accessible and always available.

3. System Analysis:

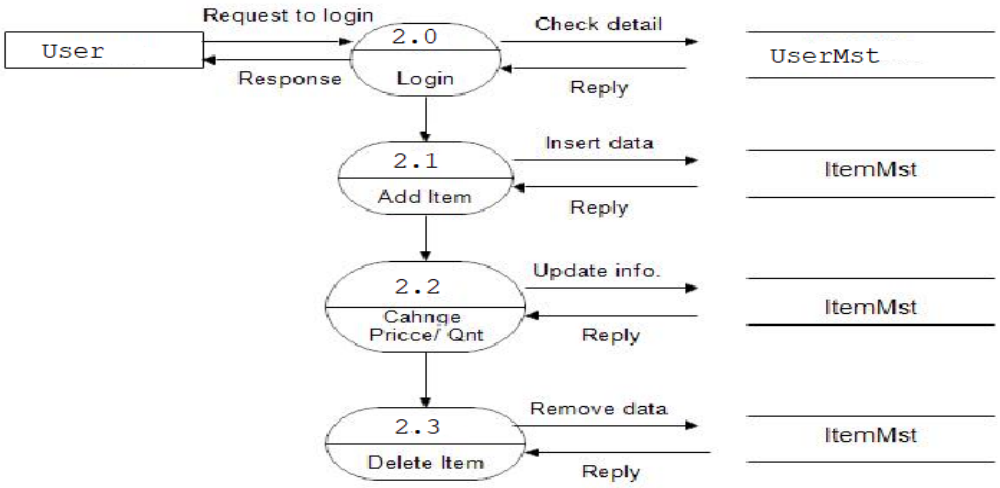
3.1 DFD:

3.1.1 0th Level DFD:

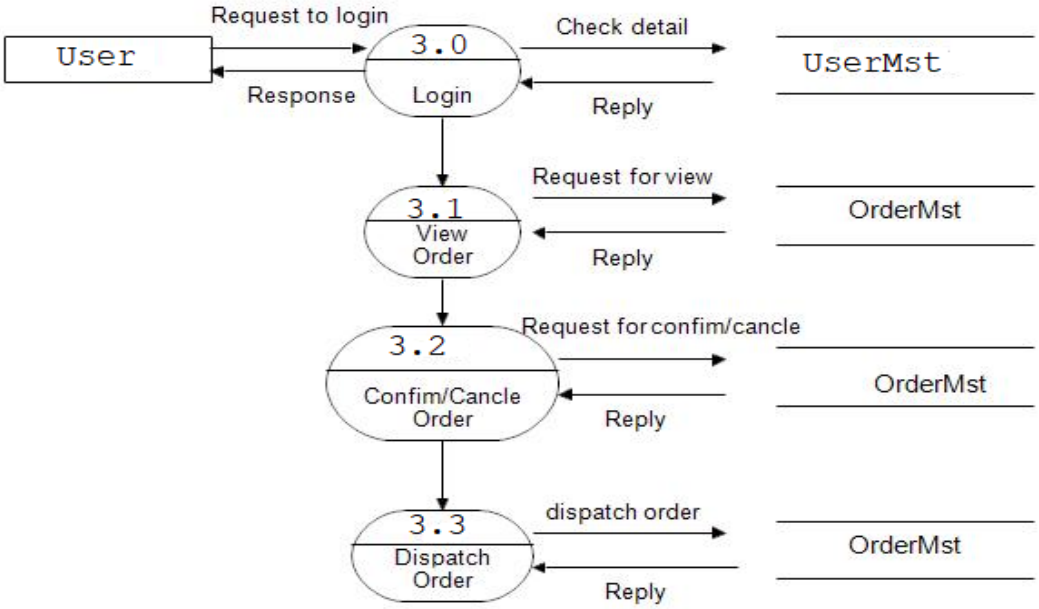
3.1.2 1st Level DFD :



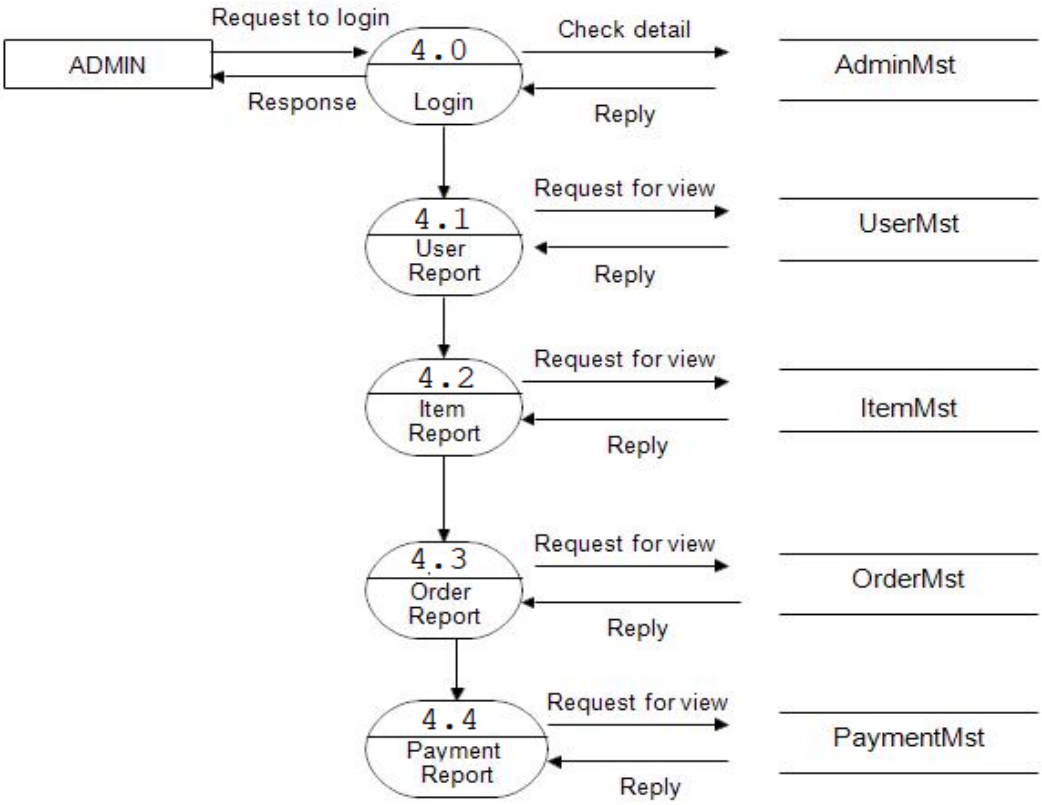
3.1.3 2nd Level User DFD (2.0): -



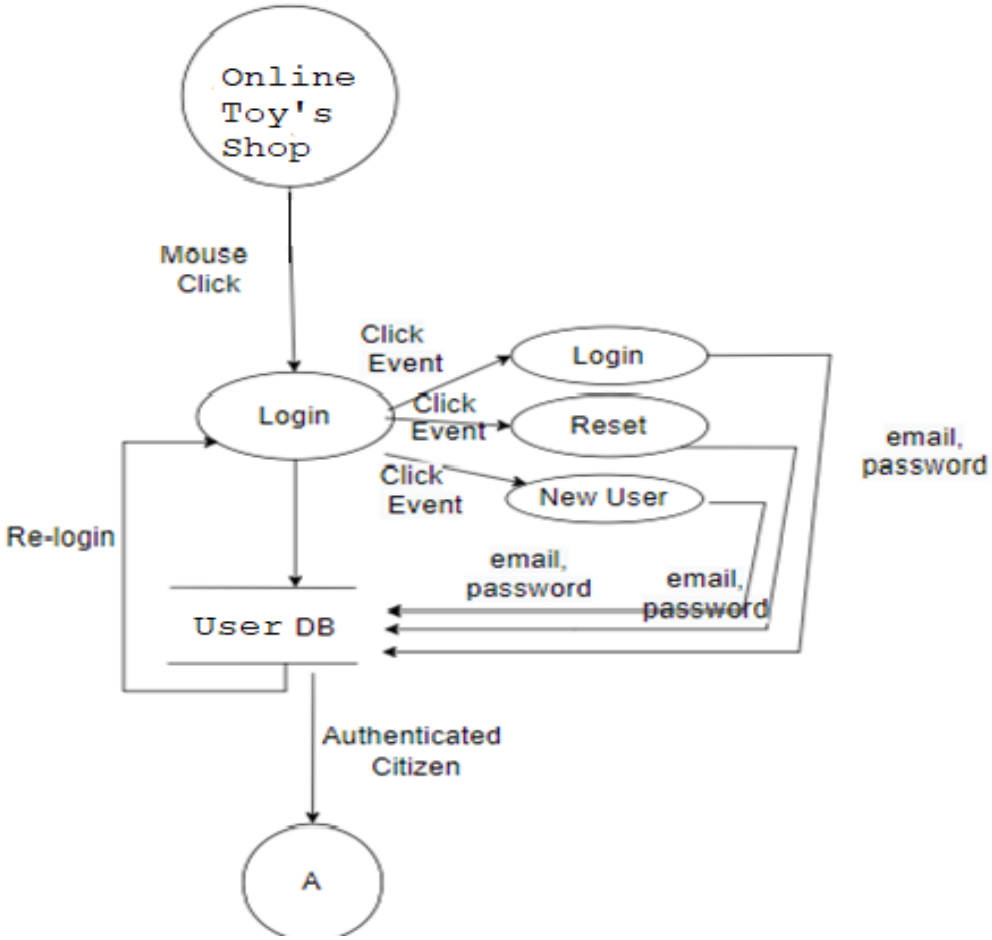
2nd Level User DFD (3.0):-

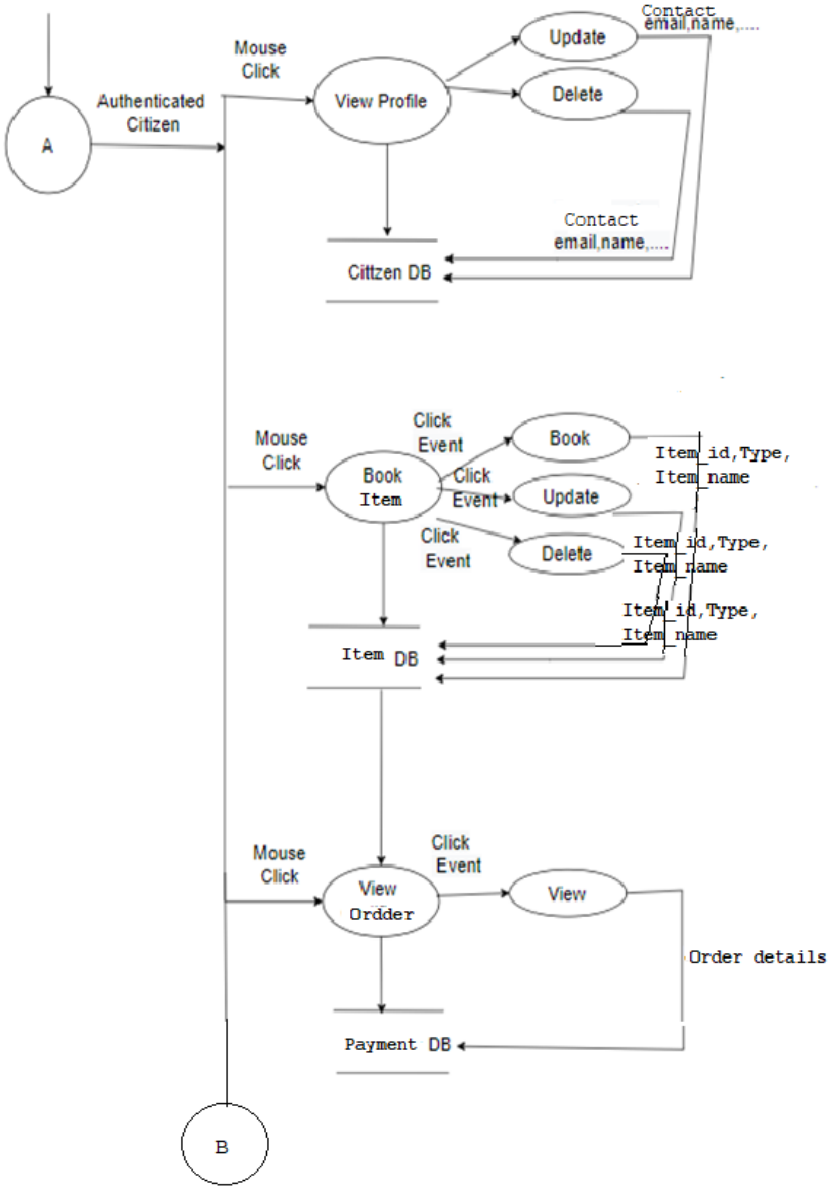


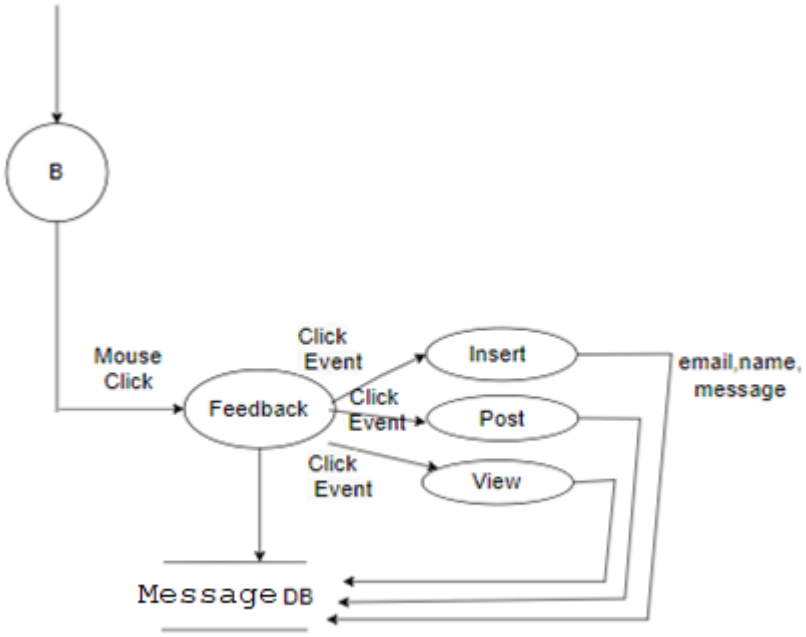
3.1.4 2nd Level Admin DFD (4.0): -



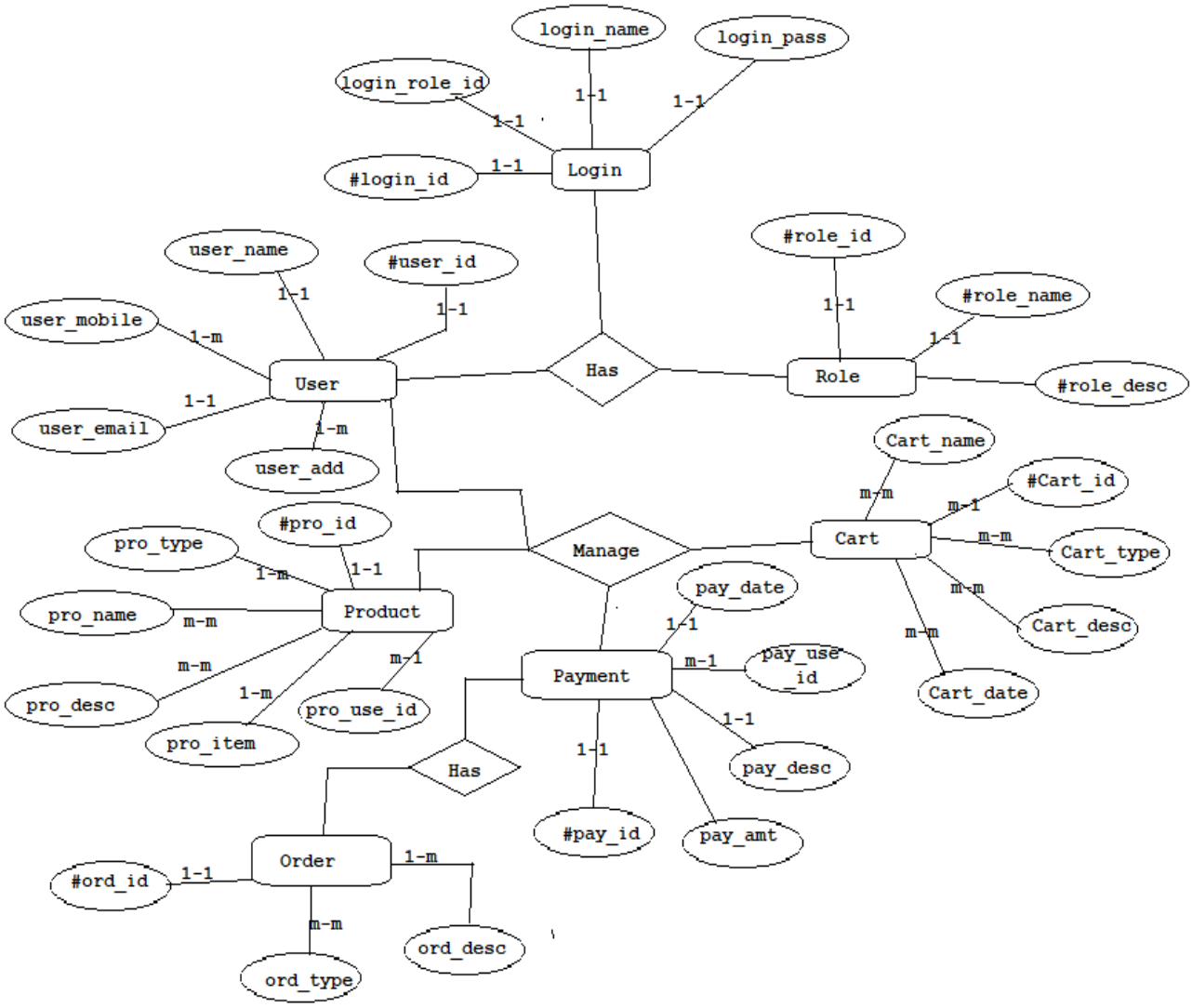
3.1.5 3rd Level DFD:



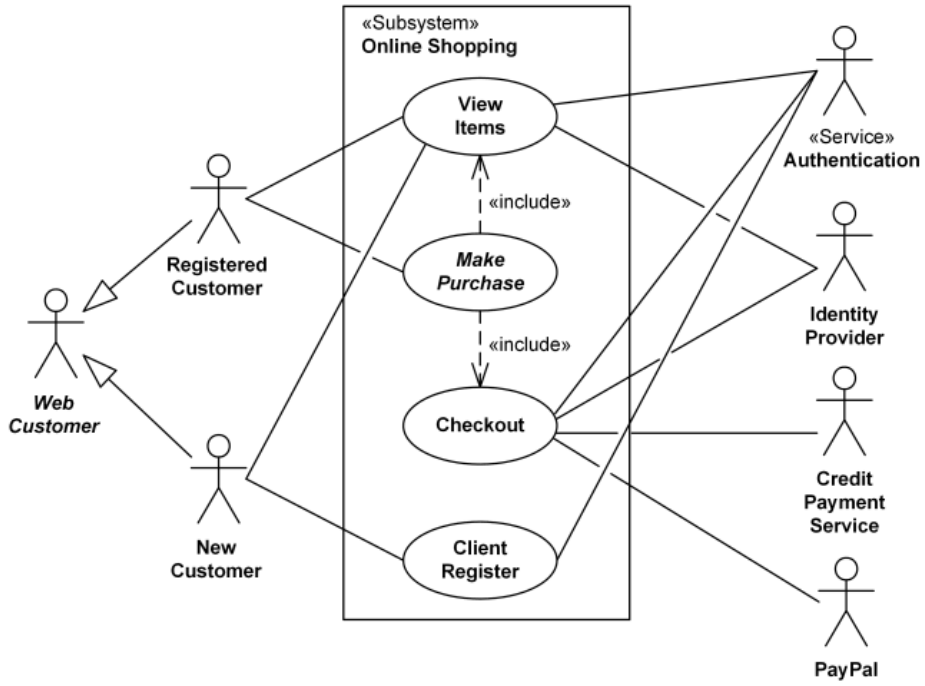

A
Authenticated
Citizen
Mouse
Click
View Profile
Update
Delete
Contact
email,name,....
Contact
email,name,....
Cittzen DB
Mouse
Click
Book
Item
Click
Event
Book
Click
Event
Update
Click
Event
Delete
Item_id,Type,
Item_name
Item_id,Type,
Item_name
Item_id,Type,
Item_name
Item DB
Mouse
Click
View
Ordder
Click
Event
View
Order details
Payment DB
B


B
Mouse
Click
Feedback
Click
Event
Insert
Click
Event
Post
Click
Event
View
email,name,
message
Message DB

3.2. ER Diagram:

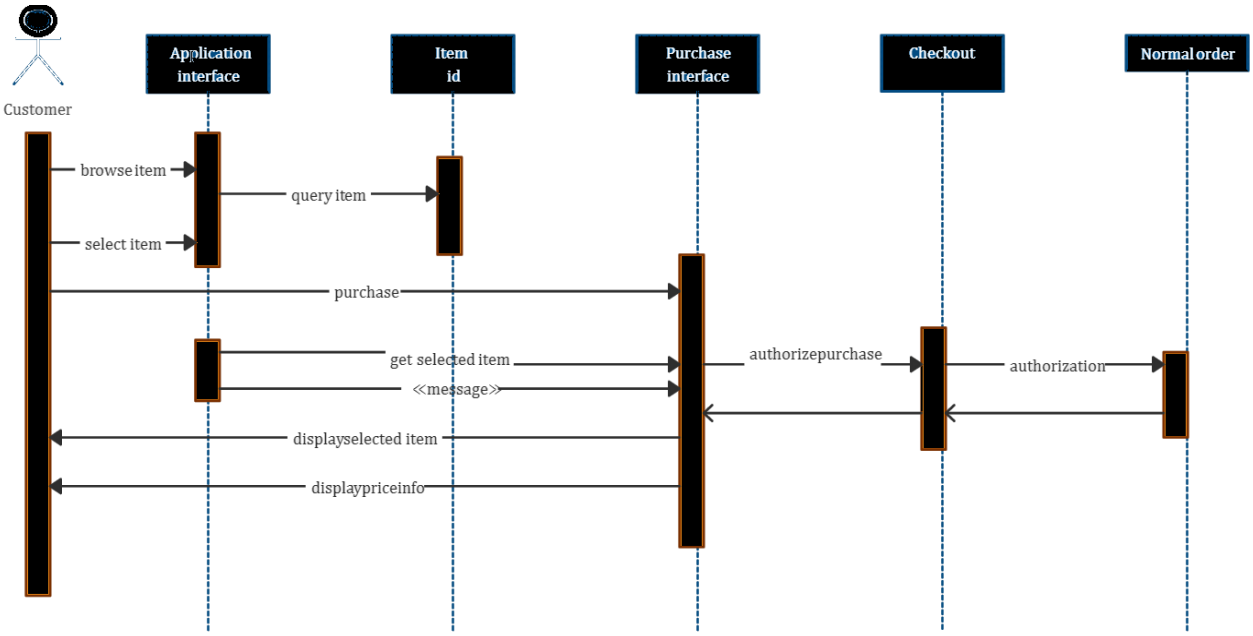


3.3 USE CASE DIAGRAM:

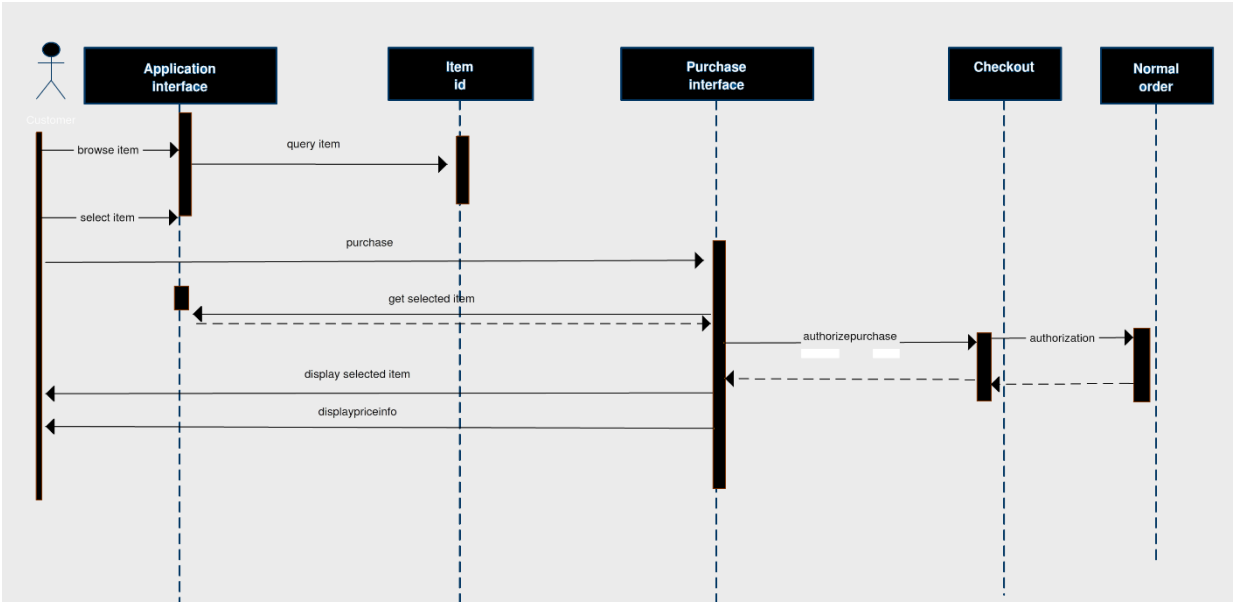


3.4 Sequence Diagram:

3.4.1:



3.4.2:



4. System Requirement: -

4.1. SOFTWARE REQUIRMENTS: -

- Apache NetBeans IDE 12.6
- Jdk-17.0.2
- XAMPP Control Panel v3.3.0

4.2. HARDWARE REQUIRMENTS: -

- Dual core or higher processor
- 2GB of RAM
- 20GB of Hard Disk
- 1 keyboard,1 mouse

4.3. FRONT END: -

- Jsp(HTML,CSS)
- JSP, HTML, CSS, JAVA SCRIPT,ANDROID are utilized to implement the frontend.

4.4 . BACK END:-

- MySQL
- The back end is implemented using MySQL which is used to design the databases.

5.About JAVA:

5.1 Java Server Pages (JSP):

Different pages in the applications are designed using jsp. A Java Server Pages component is a type of Java servlet that is designed to fulfil the role of a user interface for a Java web application. Web developers write JSPs as text files that combine HTML or XHTML code, XML elements, and embedded JSP actions and commands. Using JSP, one can collect input from users through web page.

5.2 HTML (Hyper Text Markup Language):

HTML is a syntax used to format a text document on the web.

5.3 CSS (Cascading Style Sheets):

CSS is a style sheet language used for describing the look and formatting of a document written in a markup language.

5.4 Java Script:

JS is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed.

Java Script is used to create pop-up windows displaying different alerts in the system like “User registered successfully”, ”Product added to cart” etc. Android The application is delivered to customer through an android application. So android platform is used to develop the user application.

5.5 Android:

The application is delivered to customer through an android application. So android platform is used to develop the user application.

6. About MySQL:

6.1 MySQL:

MySQL is the world's second most widely used open-source relational database management system (RDBMS). The SQL phrase stands for Structured Query Language.

An application software called Navicat was used to design the tables in MySQL.

7. Database Design:

7.1.User:

Field	Type	Null	Key	Default
name	Varchar (100)	YES		NULL
email	Varchar (100)	No	PRI	NULL
Mobile Number	Big int	YES		NULL
Security Question	Varchar (200)	YES		NULL
answer	Varchar (200)	YES		NULL
password	Varchar (100)	YES		NULL
address	Varchar (500)	YES		NULL
City	Varchar (100)	YES		NULL
state	Varchar (100)	YES		NULL
country	Varchar (100)	YES		NULL

7.2. Product:

Field	Type	Null	Default
id	int	YES	NULL
name	Varchar (500)	YES	NULL
category	Varchar (200)	YES	NULL
price	int	YES	NULL
active	Varchar (10)	YES	NULL

7.3. Cart:

Field	Type	Null	Default
Email	Varchar (100)	YES	NULL
product_ id	Int	YES	NULL
quantity	Int	YES	NULL
Price	Int	YES	NULL
Total	Int	YES	NULL
Address	Varchar (100)	YES	NULL
City	Varchar (100)	YES	NULL
State	Varchar (100)	YES	NULL
Country	Varchar (100)	YES	NULL
Mobile Number	Big int	YES	NULL
Order Date	Varchar (100)	YES	NULL
Delivery Date	Varchar (100)	YES	NULL
Payment Method	Varchar (100)	YES	NULL
Transaction Id	Varchar (100)	YES	NULL
Status	Varchar (10)	YES	NULL

7.4. Message:

Field	Type	Null	Key	Default	Extra
Id	int	No	PRI	NULL	autoincrement
Email	Varchar (100)	YES		NULL	
Subject	Varchar (100)	YES		NULL	
Body	Varchar (1000)	YES		NULL	

8.Source Code:

8.1. Login.jsp

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/signup-style.css">
<title>Login</title>
</head>
<body>
<div id='container'>
 <div class='signup'>
   <form action="loginAction.jsp" method="post">
   <input type="email" name ="email"
placeholder="Enter Email" required>
   <input type="password" name="password"
placeholder="Enter password" required>
    <input type="submit" value="login">
   </form>
    <h2><a href="signup.jsp">SignUp</a></h2>
```

```
    <h2><a href="forgotPassword.jsp">Forgot
Password?</a></h2>
 </div>
 <div class='whysignLogin'>
 <%
 String msg=request.getParameter("msg");
 if("notexist".equals(msg))
 {
 %>
 <h1>Incorrect Username or Password</h1>
<%} %>
<%if("invalid".equals(msg))
{%>
<h1>Some thing Went Wrong! Try Again !</h1>
<%} %>
   <h2>Online Toy Shop</h2>
    <img src ="image/58_Toys.PNG"/>
   <p><b>The Online Toy Shopping System is the
application that allows the users to shop online without
going to the shops to buy them.</b></p>
 </div>
</div>


</body>
```

```
</html>
```

8.2. Signup.jsp:

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/signup-style.css">
<title>Signup</title>
</head>
<body>
<div id='container'>
 <div class='signup'>
  <form action="singupAction.jsp" method="post">
  <input type="text" name="name" placeholder="Enter Name" required>
   <input type="email" name="email" placeholder="Enter Email" required>
   <input type="number" name="mobileNumber" placeholder="Enter Mobile NUmber" required>
 <select name="securityQuestion" required>
  <option value="What is your date of birth?">What is your date of birth?</option>
```

```
  <option value="What's your favorite movie?">What's your favorite movie?</option>
  <option value="What was your first car?">What was your first car?</option>
  <option value="What city were you born in?">What city were you born in?</option>
  </select>
    <input type="text" name="answer" placeholder="Enter Answer" required>
     <input type="password" name="password" placeholder="Enter password" required>
     <input type ="submit" value="signup">
   </form>
    <h2><a href="login.jsp">Login</a></h2>
 </div>
 <div class='whysign'>
<%
String msg=request.getParameter("msg");
if("valid".equals(msg))
{
%>
<h1>Successfully Registered !</h1>
<%}%>
<%
```

```
if("invalid".equals(msg))
{
%>
<h1>Some thing Went Wrong! Try Again !</h1>
<%}%>
   <h2>Online Toy Shop</h2>
   <p>The Online Shopping System is the application that allows the users to shop online without going to the shops to buy them.</p>
  </div>
</div>


</body>
</html>
```

8.3. Bill.jsp:

```
<%@ page
import="project.ConnectionProviderClass"%>
<%@ page import="java.sql.*"%>
<%@include file="footer.jsp" %>
<html>
<head>
<link rel="stylesheet" href="css/bill.css">
<title>Bill</title>
</head>
<body>
<%
String email=session.getAttribute("email").toString();
try
{
        int total=0;
        int sno=0;
        Connection
con=ConnectionProviderClass.getCon();
        Statement st=con.createStatement();
        ResultSet rs=st.executeQuery("select sum(total)
from cart where email='"+email+"' and status='bill'");
        while(rs.next())
```

```
        {
                total=rs.getInt(1);
        }
        ResultSet rs2=st.executeQuery("select * from users
inner join cart where cart.email='"+email+"' and
cart.status='bill'");
        while(rs2.next())
        {
%>
<h3>Online shopping Bill (BE HAPPY)</h3>
<hr>
<div class="left-div"><h3>Name:  <%=rs2.getString(1)
%> </h3></div>
<div class="right-div-right"><h3>Email:
<%out.println(email);%> </h3></div>
<div class="right-div"><h3>Mobile Number:
<%=rs2.getString(20) %>  </h3></div>

<div class="left-div"><h3>Order Date:
<%=rs2.getString(21) %> </h3></div>
<div class="right-div-right"><h3>Payment Method:
<%=rs2.getString(23) %> </h3></div>
<div class="right-div"><h3>Expected Delivery:
<%=rs2.getString(22) %>  </h3></div>
```

```
<div class="left-div"><h3>Transaction Id:
<%=rs2.getString(24) %> </h3></div>

<div class="right-div-right"><h3>City:
<%=rs2.getString(17) %>  </h3></div>

<div class="right-div"><h3>Address:
<%=rs2.getString(16) %> </h3></div>


<div class="left-div"><h3>State:  <%=rs2.getString(18)
%>  </h3></div>

<div class="right-div-right"><h3>Country:
<%=rs2.getString(19) %>  </h3></div>


<hr>

<%break;} %>



        <br>


<table id="customers">

<h3>Product Details</h3>

 <tr>

   <th>S.No</th>

   <th>Product Name</th>

   <th>category</th>
```

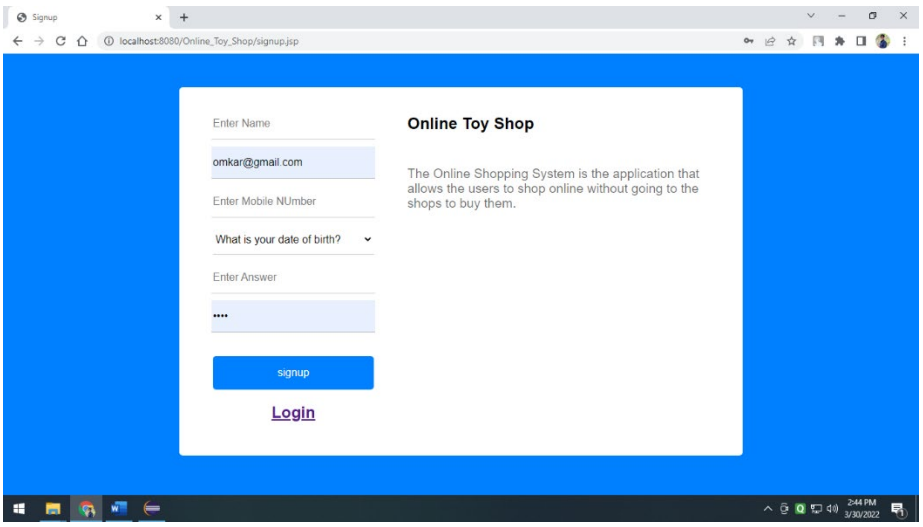
```
  <th>Price</th>
  <th>Quantity</th>
   <th>Sub Total</th>
 </tr>
<%
 ResultSet rs1=st.executeQuery("select * from cart inner
join product where cart.product_id=product.id and
cart.email='"+email+"' and cart.status='bill'");
 while(rs1.next())
{
        sno=sno+1;
%>
 <tr>
  <td><%out.println(sno); %></td>
  <td><%=rs1.getString(17) %></td>
  <td> <%=rs1.getString(18) %> </td>
  <td> <%=rs1.getString(9) %> </td>
  <td> <%=rs1.getString(3) %> </td>
   <td> <%=rs1.getString(5) %> </td>
 </tr>
 <tr>
<%} %>
</table>
```

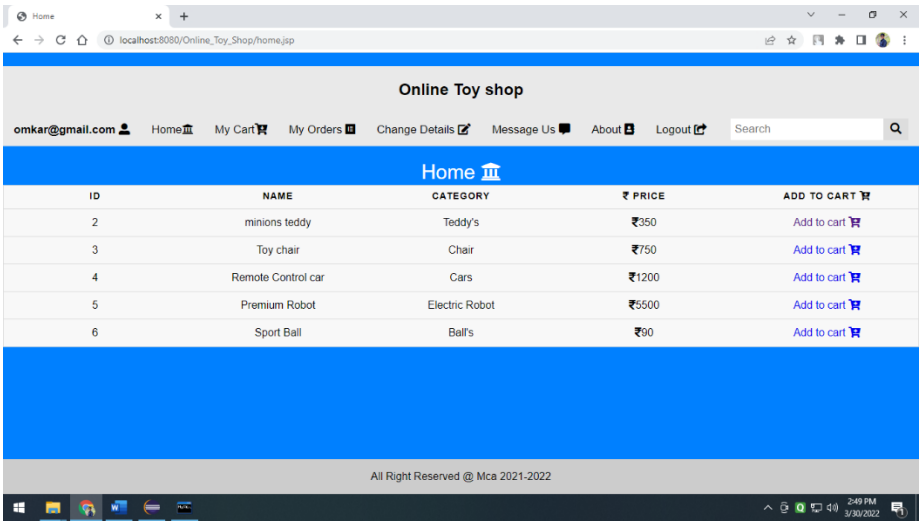
```
<h3>Total: <%out.println(total); %></h3>
<a href="continueShopping.jsp"><button class="button left-button">Continue Shopping</button></a>
<a onclick="window.print();"><button class="button right-button">Print</button></a>
<br><br><br><br>
<%
}
catch(Exception e)
{
        System.out.println(e);
        }
%>
</body>
</html>
```

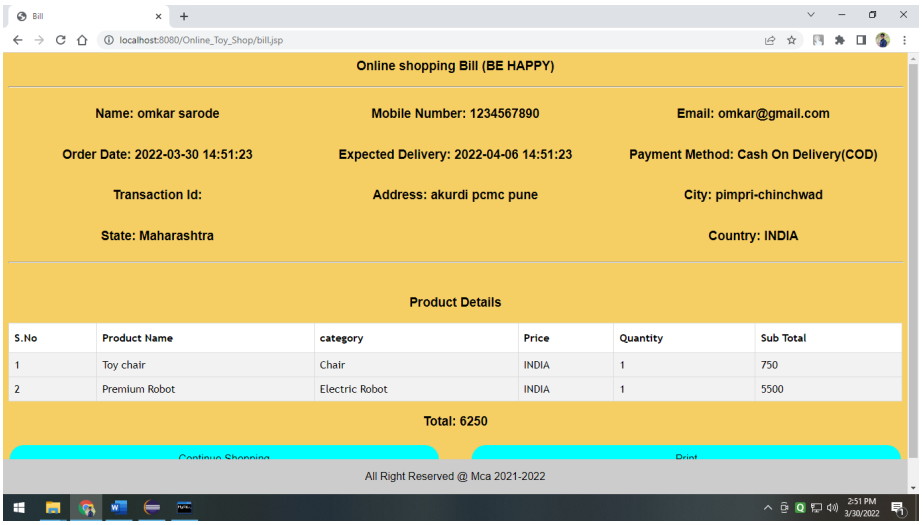
8.4. Adminhome.jsp:

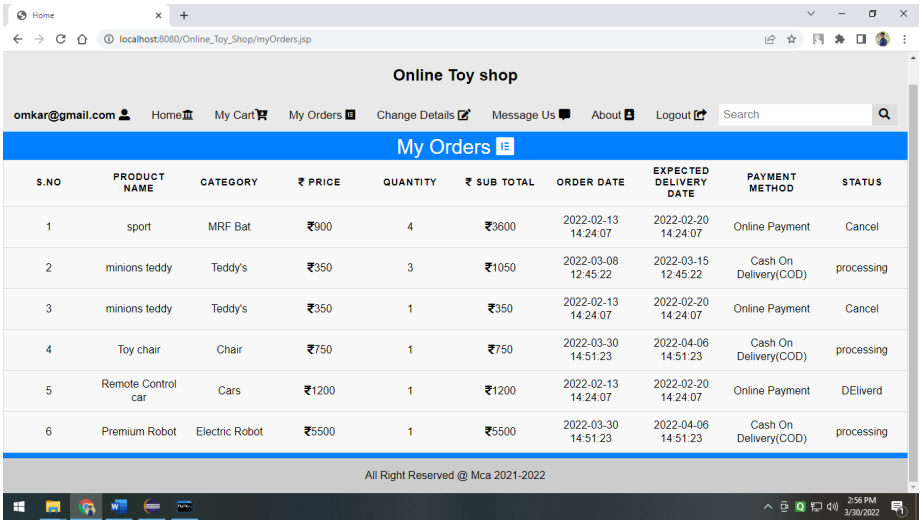
```
<%@include file="adminHeader.jsp" %>
<%@include file="../footer.jsp" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<title>welcome</title>
<style>
h1
{
color: white;
text-align: center;
font-size: 100px;
}</style>
</head>
<body>
<h1>welcome admin!</h1>
</body>
</html>
```

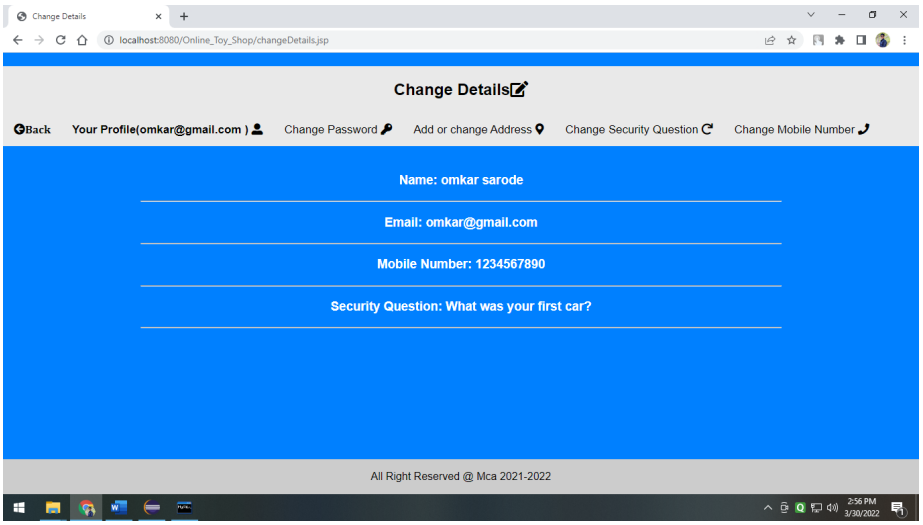
9. Output Design:

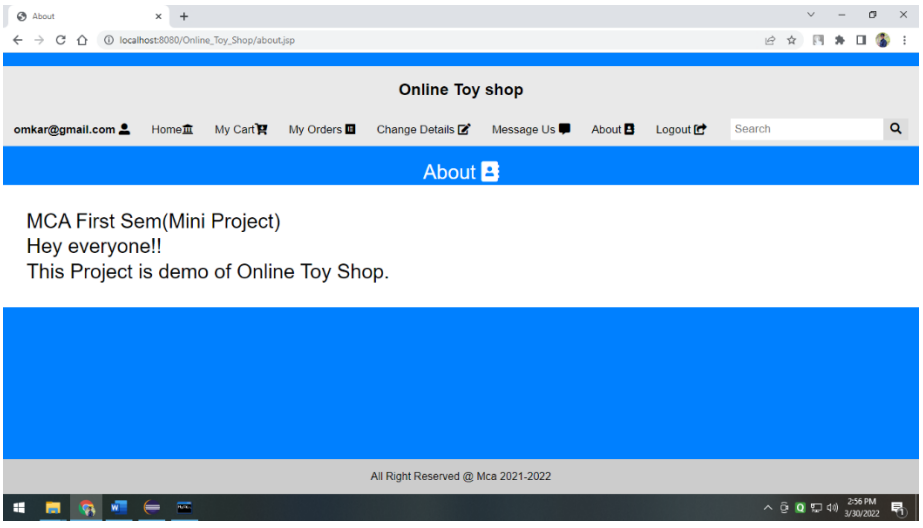


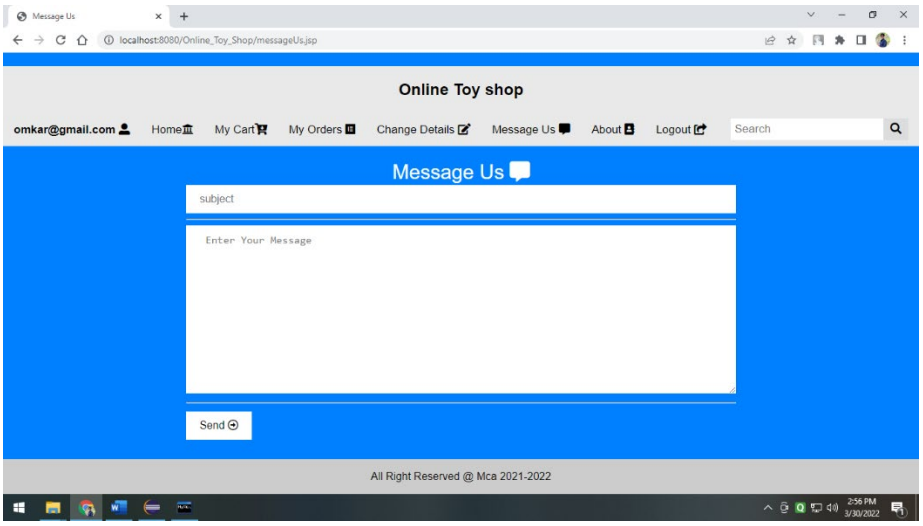


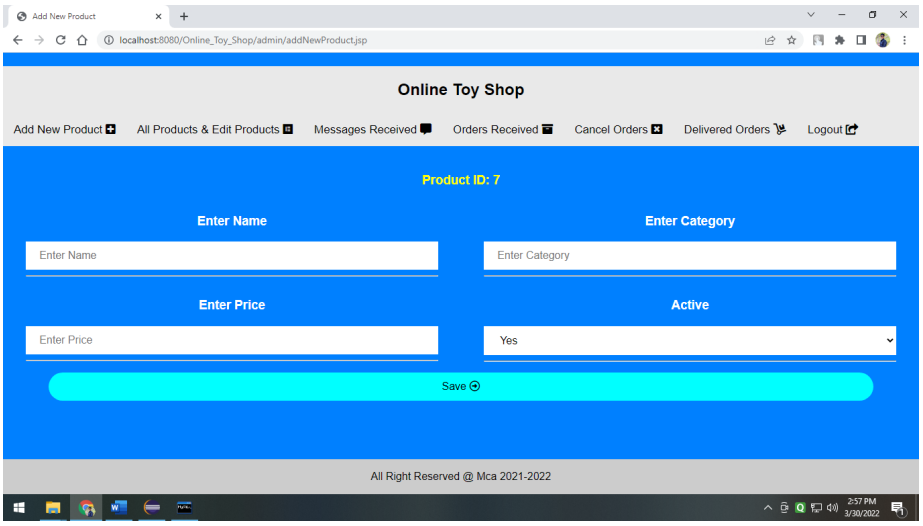

Bill
localhost:8080/Online_Toy_Shop/bill.jsp
Online shopping Bill (BE HAPPY)
Name: omkar sarode
Mobile Number: 1234567890
Email: omkar@gmail.com
Order Date: 2022-03-30 14:51:23
Expected Delivery: 2022-04-06 14:51:23
Payment Method: Cash On Delivery(COD)
Transaction Id:
Address: akurdi pcmc pune
City: pimpri-chinchwad
State: Maharashtra
Country: INDIA
Product Details
S.No
Product Name
category
Price
Quantity
Sub Total
1
Toy chair
Chair
INDIA
1
750
2
Premium Robot
Electric Robot
INDIA
1
5500
Total: 6250
All Right Reserved @ Mca 2021-2022

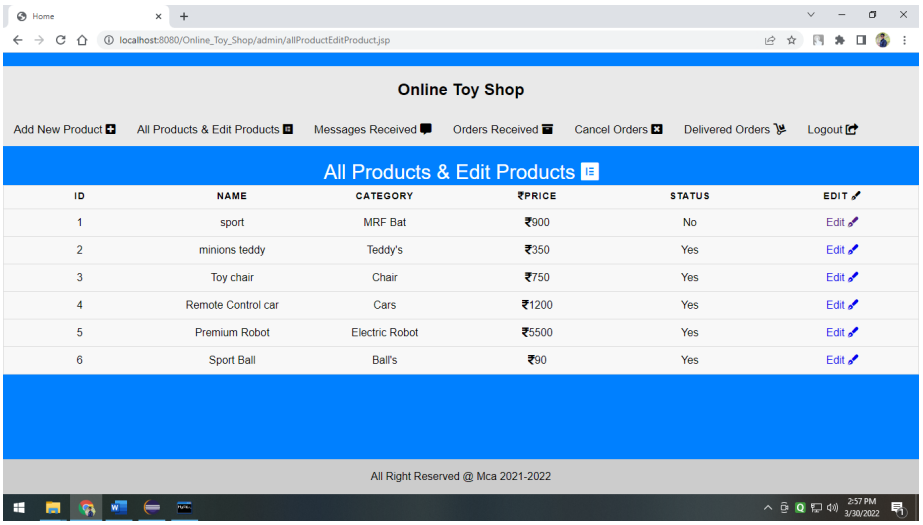

Home
localhost:8080/Online_Toy_Shop/myOrders.jsp
Online Toy shop
omkar@gmail.com
Home
My Cart
My Orders
Change Details
Message Us
About
Logout
Search
My Orders
S.NO
PRODUCT NAME
CATEGORY
₹ PRICE
QUANTITY
₹ SUB TOTAL
ORDER DATE
EXPECTED DELIVERY DATE
PAYMENT METHOD
STATUS
1
sport
MRF Bat
₹900
4
₹3600
2022-02-13 14:24:07
2022-02-20 14:24:07
Online Payment
Cancel
2
minions teddy
Teddy's
₹350
3
₹1050
2022-03-08 12:45:22
2022-03-15 12:45:22
Cash On Delivery(COD)
processing
3
minions teddy
Teddy's
₹350
1
₹350
2022-02-13 14:24:07
2022-02-20 14:24:07
Online Payment
Cancel
4
Toy chair
Chair
₹750
1
₹750
2022-03-30 14:51:23
2022-04-06 14:51:23
Cash On Delivery(COD)
processing
5
Remote Control car
Cars
₹1200
1
₹1200
2022-02-13 14:24:07
2022-02-20 14:24:07
Online Payment
DEliverd
6
Premium Robot
Electric Robot
₹5500
1
₹5500
2022-03-30 14:51:23
2022-04-06 14:51:23
Cash On Delivery(COD)
processing
All Right Reserved @ Mca 2021-2022


Change Details
localhost:8080/Online_Toy_Shop/changeDetails.jsp
Change Details
Back
Your Profile(omkar@gmail.com)
Change Password
Add or change Address
Change Security Question
Change Mobile Number
Name: omkar sarode
Email: omkar@gmail.com
Mobile Number: 1234567890
Security Question: What was your first car?
All Right Reserved @ Mca 2021-2022


About
localhost:8080/Online_Toy_Shop/about.jsp
Online Toy shop
omkar@gmail.com
Home
My Cart
My Orders
Change Details
Message Us
About
Logout
Search
About
MCA First Sem(Mini Project)
Hey everyone!!
This Project is demo of Online Toy Shop.
All Right Reserved @ Mca 2021-2022


Message Us
localhost:8080/Online_Toy_Shop/messageUs.jsp
Online Toy shop
omkar@gmail.com
Home
My Cart
My Orders
Change Details
Message Us
About
Logout
Search
Message Us
subject
Enter Your Message
Send
All Right Reserved @ Mca 2021-2022
2:56 PM
3/30/2022


Add New Product
localhost:8080/Online_Toy_Shop/admin/addNewProduct.jsp
Online Toy Shop
Add New Product
All Products & Edit Products
Messages Received
Orders Received
Cancel Orders
Delivered Orders
Logout
Product iD: 7
Enter Name
Enter Name
Enter Category
Enter Category
Enter Price
Enter Price
Active
Yes
Save
All Right Reserved @ Mca 2021-2022
2:57 PM
3/30/2022


Home
localhost:8080/Online_Toy_Shop/admin/allProductEditProduct.jsp
Online Toy Shop
Add New Product
All Products & Edit Products
Messages Received
Orders Received
Cancel Orders
Delivered Orders
Logout
All Products & Edit Products
ID NAME CATEGORY ₹PRICE STATUS EDIT
1 sport MRF Bat ₹900 No Edit
2 minions teddy Teddy's ₹350 Yes Edit
3 Toy chair Chair ₹750 Yes Edit
4 Remote Control car Cars ₹1200 Yes Edit
5 Premium Robot Electric Robot ₹5500 Yes Edit
6 Sport Ball Ball's ₹90 Yes Edit
All Right Reserved @ Mca 2021-2022
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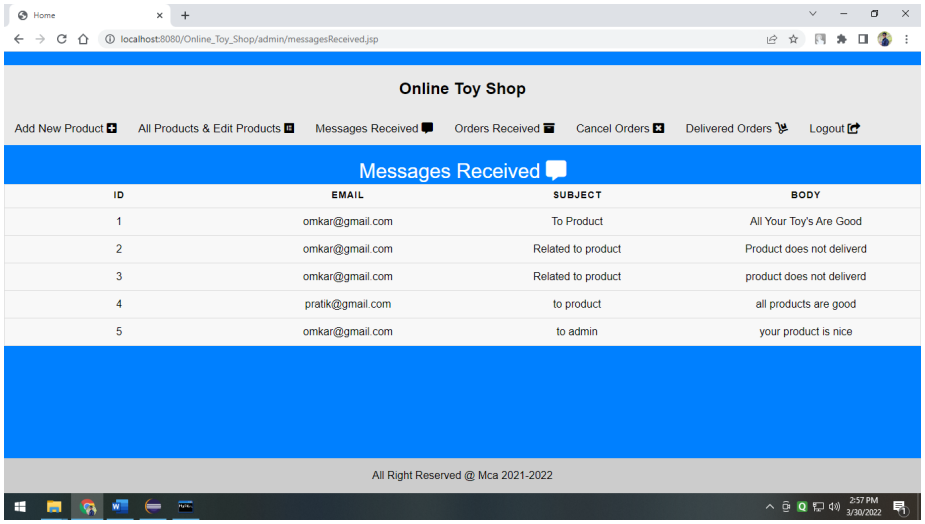
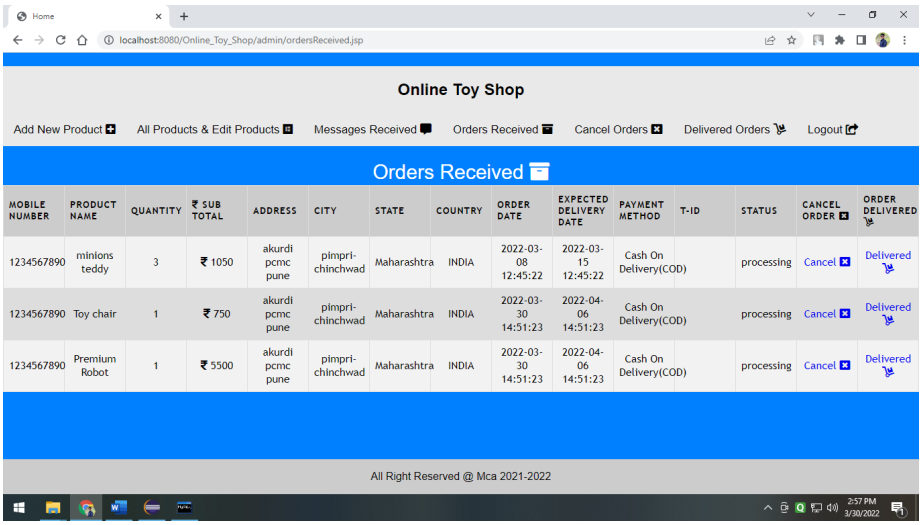
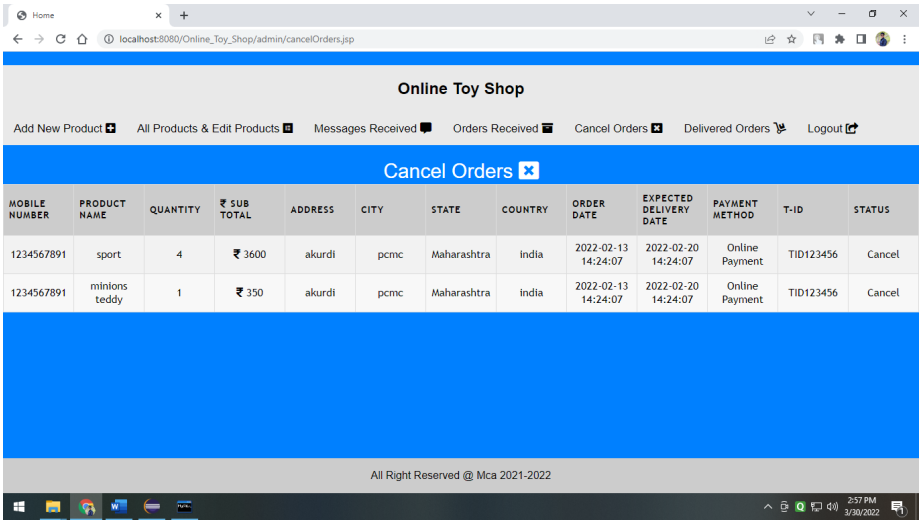
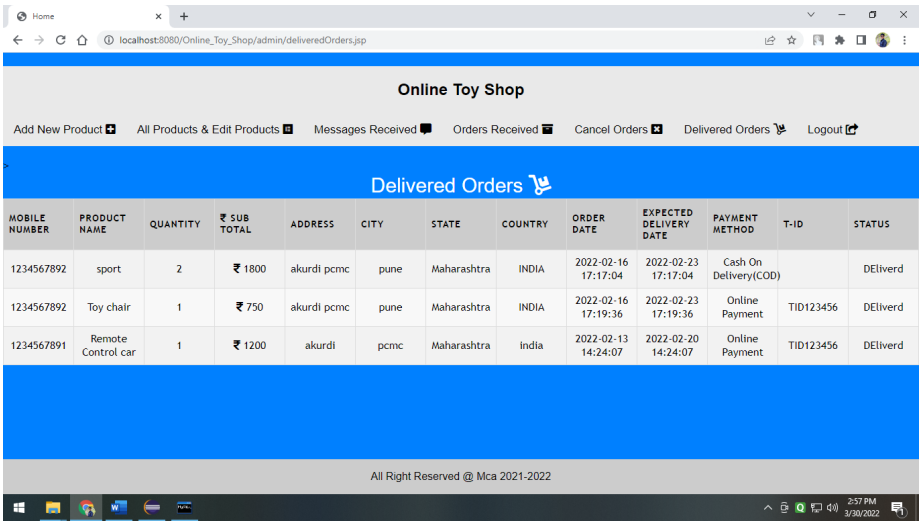
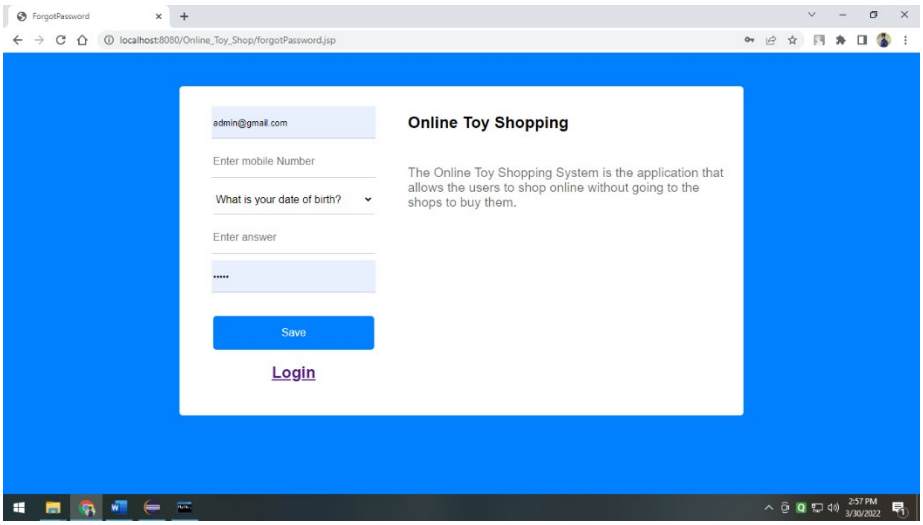

Home
localhost:8080/Online_Toy_Shop/admin/messagesReceived.jsp
Online Toy Shop
Add New Product
All Products & Edit Products
Messages Received
Orders Received
Cancel Orders
Delivered Orders
Logout
Messages Received
ID EMAIL SUBJECT BODY
1 omkar@gmail.com To Product All Your Toy's Are Good
2 omkar@gmail.com Related to product Product does not deliverd
3 omkar@gmail.com Related to product product does not deliverd
4 pratik@gmail.com to product all products are good
5 omkar@gmail.com to admin your product is nice
All Right Reserved @ Mca 2021-2022
2:57 PM
3/30/2022


Home
localhost:8080/Online_Toy_Shop/admin/ordersReceived.jsp
Online Toy Shop
Add New Product
All Products & Edit Products
Messages Received
Orders Received
Cancel Orders
Delivered Orders
Logout
Orders Received
MOBILE NUMBER
PRODUCT NAME
QUANTITY
₹ SUB TOTAL
ADDRESS
CITY
STATE
COUNTRY
ORDER DATE
EXPECTED DELIVERY DATE
PAYMENT METHOD
T-ID
STATUS
CANCEL ORDER
ORDER DELIVERED
1234567890 minions teddy 3 ₹ 1050 akurdi pcmc pune pimpri-chinchwad Maharashtra INDIA 2022-03-08 12:45:22 2022-03-15 12:45:22 Cash On Delivery(COD) processing Cancel Delivered
1234567890 Toy chair 1 ₹ 750 akurdi pcmc pune pimpri-chinchwad Maharashtra INDIA 2022-03-30 14:51:23 2022-04-06 14:51:23 Cash On Delivery(COD) processing Cancel Delivered
1234567890 Premium Robot 1 ₹ 5500 akurdi pcmc pune pimpri-chinchwad Maharashtra INDIA 2022-03-30 14:51:23 2022-04-06 14:51:23 Cash On Delivery(COD) processing Cancel Delivered
All Right Reserved @ Mca 2021-2022
2:57 PM
3/30/2022


Home
localhost:8080/Online_Toy_Shop/admin/cancelOrders.jsp
Online Toy Shop
Add New Product
All Products & Edit Products
Messages Received
Orders Received
Cancel Orders
Delivered Orders
Logout
Cancel Orders
MOBILE NUMBER
PRODUCT NAME
QUANTITY
₹ SUB TOTAL
ADDRESS
CITY
STATE
COUNTRY
ORDER DATE
EXPECTED DELIVERY DATE
PAYMENT METHOD
T-ID
STATUS
1234567891 sport 4 ₹ 3600 akurdi pcmc Maharashtra india 2022-02-13 14:24:07 2022-02-20 14:24:07 Online Payment TID123456 Cancel
1234567891 minions teddy 1 ₹ 350 akurdi pcmc Maharashtra india 2022-02-13 14:24:07 2022-02-20 14:24:07 Online Payment TID123456 Cancel
All Right Reserved @ Mca 2021-2022
2:57 PM
3/30/2022


Home
localhost:8080/Online_Toy_Shop/admin/deliveredOrders.jsp
Online Toy Shop
Add New Product
All Products & Edit Products
Messages Received
Orders Received
Cancel Orders
Delivered Orders
Logout
Delivered Orders
MOBILE NUMBER
PRODUCT NAME
QUANTITY
₹ SUB TOTAL
ADDRESS
CITY
STATE
COUNTRY
ORDER DATE
EXPECTED DELIVERY DATE
PAYMENT METHOD
T-ID
STATUS
1234567892 sport 2 ₹ 1800 akurdi pcmc pune Maharashtra INDIA 2022-02-16 17:17:04 2022-02-23 17:17:04 Cash On Delivery(COD) DEliverd
1234567892 Toy chair 1 ₹ 750 akurdi pcmc pune Maharashtra INDIA 2022-02-16 17:19:36 2022-02-23 17:19:36 Online Payment TID123456 DEliverd
1234567891 Remote Control car 1 ₹ 1200 akurdi pcmc Maharashtra india 2022-02-13 14:24:07 2022-02-20 14:24:07 Online Payment TID123456 DEliverd
All Right Reserved @ Mca 2021-2022
2:57 PM
3/30/2022


ForgotPassword
localhost:8080/Online_Toy_Shop/forgotPassword.jsp
admin@gmail.com
Enter mobile Number
What is your date of birth?
Enter answer
Save
Login
Online Toy Shopping
The Online Toy Shopping System is the application that allows the users to shop online without going to the shops to buy them.
2:57 PM
3/30/2022

10 Conclusion:

- Technology has made significant progress over the years to provide consumers a better online shopping experience and will continue to do so for years to come.

- With the rapid growth of products and brands, people have speculated that online shopping will overtake in-store shopping.

- While this has been the case in some areas, there is still demand for brick and mortar stores in market areas where the consumer feels more comfortable seeing and touching the product being bought.

- However, the availability of online shopping has produced a more educated consumer that can shop around with relative ease without having to spend a large amount of time.

- In exchange, online shopping has opened up doors to many small retailers that would never be in business if they had to incur the high cost of owning a store.

- At the end, it has been a win-win situation for both consumer and sellers.

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https://www.youtube.com/watch?v=4sEwvpkYTNU

13. Reference:

13.1:

Crome Browser

- **https://projectsgeek.com/2012/04/online-shopping-java-project.html**